

Work Order ID 51999

September 11, 2009 1:05:08 PM



Page 1

Item ID:	D3325-041	Accept		Setup	Start	
Revision ID:	B				Stop	
Item Name:	Basket Lid Assembly					
Start Date:	09/11/2009	Start Qty: 1.00		Cust Item ID:		
Required Date:	09/21/2009	Req'd Qty: 1.00		Customer:		
Reference:						

Approvals:	Process Plan:	<u>umf</u>	Date:	<u>09-09-11</u>	Tooling:		Date:		Run	Start	
	QC:		Date:		SPC (Y/N):		Date:			Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3325	Rev B								

100
 Large Fab 0.00
 Large Fab
 Large Fab

Memo 0.00

1-Cut tubes as per Dwg D3325

Qty ☐ Part Number ☐ Description ☐ Batch
 2 ☐ D3325-1 ☐ End Tube ☐ 109127 109385 (1)
 3 ☐ D3325-3 ☐ Interior Tube ☐ 109127
 2 ☐ D3325-5 ☐ Full Length Tube ☐ 109385

Identify parts appropriately

2-Remove all markings from material

3-Drill and Weld as per Dwg D3325 & QSI 004
 A/R ☐ 4130 ☐ Steel Rod ☐ M102226

4-Deburr as required

SAD 09-09-17

lpl 09.09-22

dy 09/09/30 (1x)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____






NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			



NOTE: Date & initial all entries




Work Order ID 51999

September 11, 2009 1:05:08 PM

Page 2

Item ID:	D3325-041	Accept		Setup	Start	
Revision ID:	B					
Item Name:	Basket Lid Assembly				Stop	
Start Date:	09/11/2009	Start Qty:	1.00			
Required Date:	09/21/2009	Req'd Qty:	1.00			
Reference:						
				Cust Item ID:		
				Customer:		

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
110  QC Quality Control	QC9- Inspect visual per QSI004- Fusion Welds Memo	0.00 0.00							PD 09.09.30
120  QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 0.00		2) See 100101					(X) /
121  HandFinish Hand Finishing	Pressure Wash per QSI005 4.3 Memo	0.00 0.00		bl 09-10-01					(P)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 51999

September 11, 2009 1:05:08 PM



Item ID:	D3325-041	Accept		Setup	Start	
Revision ID:	B				Stop	
Item Name:	Basket Lid Assembly					
Start Date:	09/11/2009	Start Qty:	1.00		Cust Item ID:	
Required Date:	09/21/2009	Req'd Qty:	1.00		Customer:	
Reference:						

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 Powdercoat Powder Coating	White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum M112260 Memo 1ST COAT: START TIME: 10:15am OVEN TEMPERATURE: 400°F FINISH TIME: 10:45am ***** 2nd coat if necessary***** 2ND COAT: START TIME: 11:00am OVEN TEMPERATURE: 400°F FINISH TIME: 11:30am	0.00 0.00							
140 QC Quality Control	QC3- Inspect Part Finish Memo	0.00 0.00							

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 51999

September 11, 2009 1:05:08 PM



Page 4

Item ID: D3325-041

Accept



Setup Start



Revision ID: B

Stop



Item Name: Basket Lid Assembly

Start Date: 09/11/2009 Start Qty: 1.00



Cust Item ID:

Required Date: 09/21/2009 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

150

Identify as per dwg & Stock Location: _____

0.00



Packaging

Memo

0.00

51999

12

Packaging

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

09/10/05

u 09.10.05

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 11, 2009 1:05:08 PM

Page 1

Work Order ID: 51999

Parent Item: D3325-041RevB

Parent Item Name: Basket Lid Assembly

Start Date: 09/11/2009

Required Date: 09/21/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

D3328-1RevB		Manufactured	No			100	Each	35.0000	2.0000			
-------------	--	--------------	----	--	--	-----	------	---------	--------	--	--	--



Basket Hinge

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		

Main Warehouse

ST

35

33871

35

D3349-1RevA

Manufactured No

100

Each

40.0000

2.0000



Spacer Bushing

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		

Main Warehouse

ST

40

34205

10

44401

30

D3352-1RevA

Manufactured No

100

Each

21.0000

1.0000



Label Plate

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		

Main Warehouse

ST

21

41925

21

② Cpl 09.09.22

② Cpl 09.09.22

① Cpl 09.09.22

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 11, 2009 1:05:08 PM

Page 2

Work Order ID: 51999

Parent Item: D3325-041RevB

Parent Item Name: Basket Lid Assembly

Comments:

Start Date: 09/11/2009

Required Date: 09/21/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3367-1RevA Mounting Bracket		Manufactured	No			100	Each	47.0000	2.0000			

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

47

43228

47

M4130NTS0.500W.035

Purchased

No

100

f

330.1931

21.6227



4130 Square tube .500 x .500 x .035w

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

MAT

330.1931

109127

196.8684

109385

133.3247

SAD 09-09-17

②

SAD 09-09-17

10,1227
11,500

September 11, 2009 1:05:08 PM

Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

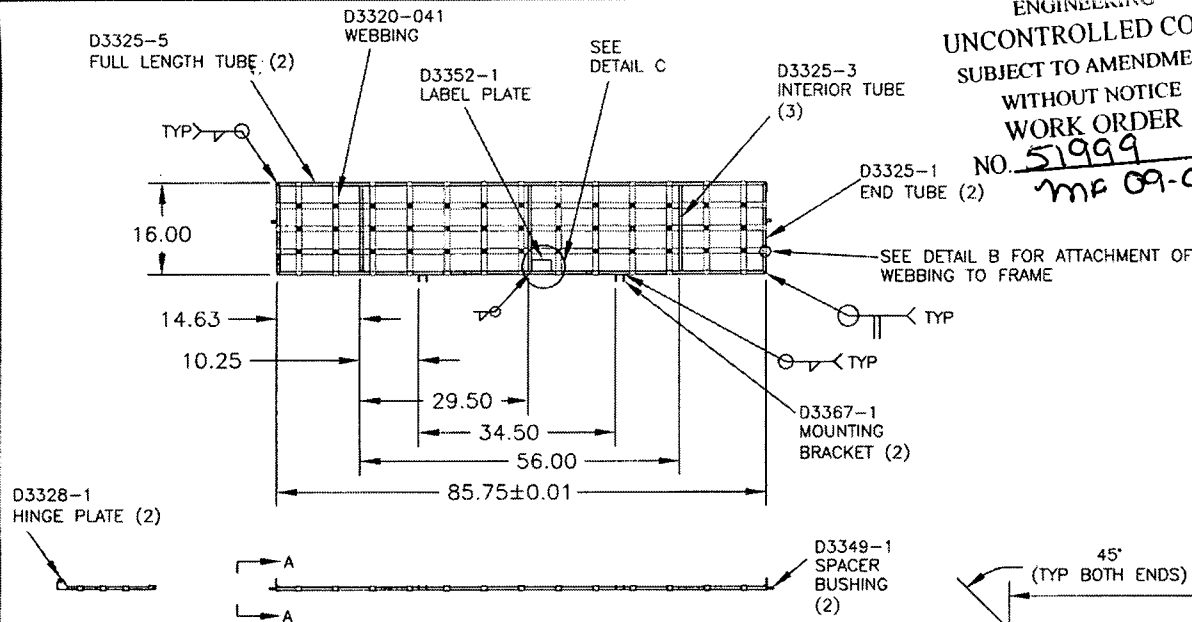
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 51999
MF 09-09-11



D3325-041 BASKET LID ASSEMBLY

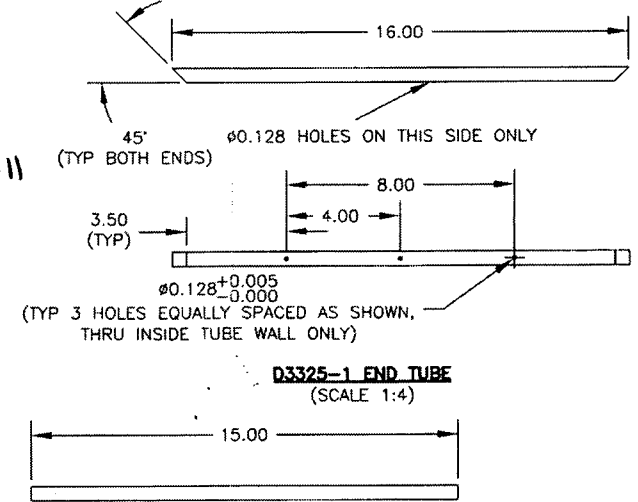
- 1) FINISH: POWDER COAT ASSEMBLY WHITE (4.3.5.2) PER DART QSI 005 4.3 (PRIOR TO INSTALLATION OF D3320-041)
- 2) WELD PER DART QSI 004
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) ALL TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

PARTS LIST FOR D3325-041 BASKET LID ASSEMBLY

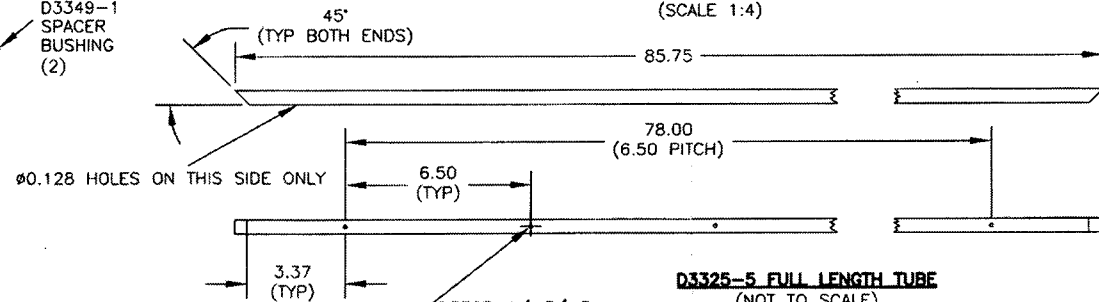
Part No.	Quantity	Description
D2729-1	1	PRODUCT ID LABEL
D3320-041	1	WEBBING
D3325-1	2	END TUBE
D3325-3	3	INTERIOR TUBE
D3325-5	2	FULL LENGTH TUBE
D3328-1	2	HINGE PLATE
D3349-1	2	SPACER BUSHING
D3351-1	1	PLACARD
D3352-1	1	LABEL PLATE
D3367-1	2	MOUNTING BRACKET
MS20600AD4W3	32	RIVET
AN860JD9	32	WASHER

RELEASED
05-04-25

DEO ATTACHED



D3325-3 INTERIOR TUBE (SCALE 1:4)



D3325-1/-3/-5

- 1) CUT LENGTH/SHAPE PER DIAGRAM AND PARTS LIST
- 2) MATERIAL: 4130 COND. N SQ. TUBE, AMS-T-6736, 1/2" X 0.035 (REF. DART SPEC M4130N-TS0.500W.035)
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) ALL TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

B	05.04.25	CHANGE RIVET AND HOLE DIAMETER
A	04.10.21	NEW ISSUE
DESIGN CH	DRAWN BY PH	DART DART AEROSPACE LTD. HARRISBURG, ONTARIO, CANADA
CHECKED H	APPROVED H	DRAWING NO. D3325
DATE 05.04.25	TITLE BASKET LID ASSEMBLY	REV. B SHEET 1 OF 3 SCALE 1:20

COPYRIGHT © 2004 BY DART AEROSPACE LTD.
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

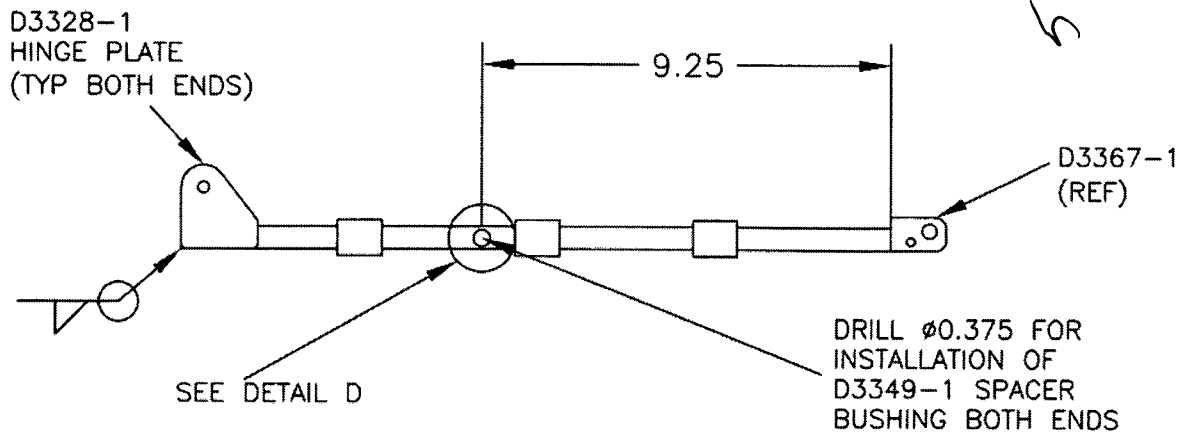
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

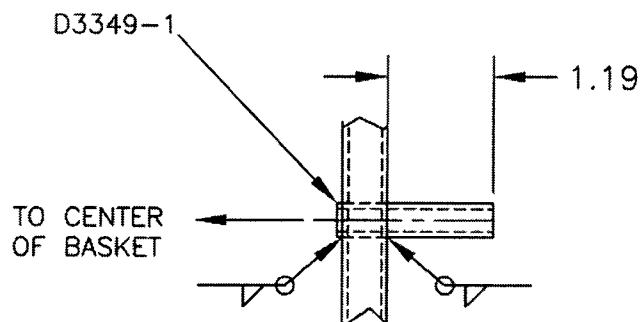
NOTE: Date & initial all entries



DESIGN AH	DRAWN BY AH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. D3325	REV. B SHEET 2 OF 3
DATE 05.04.25		TITLE BASKET LID ASSEMBLY	SCALE 1:4



VIEW A-A



DETAIL D
(SCALE 1:2)

DEO ATTACHED
RELEASED
05.04.28 [Signature]

Copyright © 2004 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

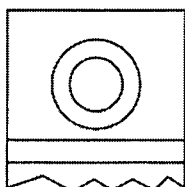
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

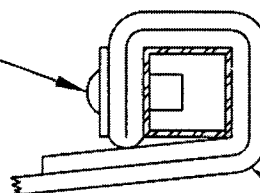
NOTE: Date & initial all entries



DESIGN <i>PH</i>	DRAWN BY <i>PH</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3325	REV. 8 SHEET 3 OF 3
DATE 05.04.25		TITLE BASKET LID ASSEMBLY	SCALE 1:4



MS20600AD4W3 RIVET (1)
AN960JD9 WASHER (1)



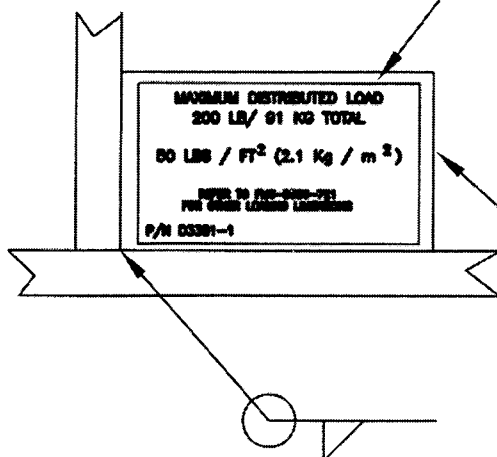
56615

DETAIL B
TYP. ATTACHMENT OF WEBBING TO LID
FRAME
(SCALE 1:1)

D3320-041 WEBBING

RELEASED
05.04.28
DEO ATTACHED

ATTACH D3351-1 PLACARD
ON TOPSIDE OF D3352-1



D3352-1

OUTBOARD

IDENTIFY WITH DART P/N
D350-721-041 USING
D2729-1 PRODUCT ID LABEL
INSTALLED ON UNDERSIDE OF
D3352-1

DETAIL C
LABEL PLATE ATTACHMENT
(SCALE 1:2)

Copyright © 2004 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DRAWING NO. D3325	TITLE BASKET LID ASSEMBLY	REV. B	DART AEROSPACE LTD ENGINEERING ORDER		D.E.O. NO. D3325-B-1	SHEET NO. SHEET 1 OF 1	SCALE NTS
DRAWN AJS	CHECKED <i>[Signature]</i>	MFG. APPR. <i>[Signature]</i>	APPROVED <i>[Signature]</i>		DE APPR. <i>[Signature]</i>		
DATE 08.11.28	DATE 08.11.28	DATE 08.12.01	DATE 08.12.01		DATE 08.12.01		

1) SHEET 1 MODIFY PARTS LIST AS SHOWN:

PART LIST FOR D3325-041 BASKET LID ASSEMBLY

Part No.	Quantity	Description

IS:

MS20600AD4W5	32	RIVET
--------------	----	-------

WAS:

MS20600AD4W3	32	RIVET
--------------	----	-------

2) UPDATE SHEET 3 DETAIL B ACCORDINGLY.

51999

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries